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1: [Cuschieri KS, Beattie G, Hassan S, Robertson K, Cubie H.](#)[Related Articles, Links](#)**Assessment of human papillomavirus mRNA detection over time in cervical specimens collected in liquid based cytology medium.**

J Virol Methods. 2005 Mar;124(1-2):211-5. Epub 2004 Dec 16.

PMID: 15664071 [PubMed - indexed for MEDLINE]

2: [Sotlar K, Stubner A, Diemer D, Menton S, Menton M, Dietz K,](#)[Related Articles, Links](#)[Wallwiener D, Kandolf R, Bultmann B.](#)**Detection of high-risk human papillomavirus E6 and E7 oncogene transcripts in cervical scrapes by nested RT-polymerase chain reaction.**

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PMID: 15258976 [PubMed - indexed for MEDLINE]

3: [Cuschieri KS, Whitley MJ, Cubie HA.](#)[Related Articles, Links](#)**Human papillomavirus type specific DNA and RNA persistence--implications for cervical disease progression and monitoring.**

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PMID: 15042650 [PubMed - indexed for MEDLINE]

4: [Wang-Johanning F, Lu DW, Wang Y, Johnson MR, Johanning GL.](#)[Related Articles, Links](#)**Quantitation of human papillomavirus 16 E6 and E7 DNA and RNA in residual material from ThinPrep Papanicolaou tests using real-time polymerase chain reaction analysis.**

Cancer. 2002 Apr 15;94(8):2199-210.

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5: [Sathish N, Abraham P, Peedicayil A, Sridharan G, John S, Chandy G.](#)[Related Articles, Links](#)**Human papillomavirus 16 E6/E7 transcript and E2 gene status in patients with cervical neoplasia.**

Mol Diagn. 2004;8(1):57-64.

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
7: [Castile PE, Solomon D, Hildesheim A, Herrero R, Concepcion](#)[Related Articles, Links](#)


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-  **Stability of archived liquid-based cervical cytologic specimens.**
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PMID: 12704688 [PubMed - indexed for MEDLINE]


 **8:** Rosales R, Lopez-Contreras M, Cortes RR. [Related Articles, Links](#)


-  **Antibodies against human papillomavirus (HPV) type 16 and 18 E2, E6 and E7 proteins in sera: correlation with presence of papillomavirus DNA.**
J Med Virol. 2001 Dec;65(4):736-44.
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 **9:** Park JS, Hwang ES, Park SN, Ahn HK, Um SJ, Kim CJ, Kim SJ, Namkoong SE. [Related Articles, Links](#)


-  **Physical status and expression of HPV genes in cervical cancers.**
Gynecol Oncol. 1997 Apr;65(1):121-9.
PMID: 9103401 [PubMed - indexed for MEDLINE]


 **10:** Kim JJ, Wright TC, Goldie SJ. [Related Articles, Links](#)


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 **11:** Callaghan J, Karim S, Mortlock S, Wintert M, Woodward N. [Related Articles, Links](#)


-  **Hybrid capture as a means of detecting human papillomavirus DNA from liquid-based cytology specimens: a preliminary evaluation.**
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-  **High-risk HPV testing in women with borderline and mild dyskaryosis: long-term follow-up data and clinical relevance.**
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-  **Detection of human papillomavirus (HPV) genotypes in cervico-vaginal scrapes of women with normal and abnormal cytology.**
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 **15:** Sasagawa T, Kondoh G, Inoue M, Yutsudo M, Hakura A. [Related Articles, Links](#)

-  **Cervical/vaginal dysplasias of transgenic mice harbouring human papillomavirus type 16 E6-E7 genes.**
J Gen Virol. 1994 Nov;75 (Pt 11):3057-65.
PMID: 7964615 [PubMed - indexed for MEDLINE]


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Suppression of tumorigenesis by transcription units expressing the antisense E6 and E7 messenger RNA (mRNA) for the transforming proteins of the human papilloma virus and the sense mRNA for the retinoblastoma gene in cervical carcinoma cells.

Cancer Gene Ther. 1995 Mar;2(1):19-32.

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 **17:** [Tachezy R, Salakova M, Hamsikova E, Kanka J, Havrankova A, Vonka V.](#) [Related Articles, Links](#)



Prospective study on cervical neoplasia: presence of HPV DNA in cytological smears precedes the development of cervical neoplastic lesions.

Sex Transm Infect. 2003 Jun;79(3):191-6.

PMID: 12794200 [PubMed - indexed for MEDLINE]


 **18:** [Nagai N.](#) [Related Articles, Links](#)



[Molecular biologic study on the carcinogenesis of HPV in uterine cervical cancer and related lesions--analysis of HPV types 16, 18 E6/E7 gene mRNA]

Nippon Sanka Fujinka Gakkai Zasshi. 1990 Aug;42(8):823-33. Japanese.

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Rapid real time PCR to distinguish between high risk human papillomavirus types 16 and 18.

Mol Pathol. 2001 Feb;54(1):24-9. Erratum in: Mol Pathol 2001 Jun;54(3):200.

PMID: 11212885 [PubMed - indexed for MEDLINE]

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Detection of human papillomavirus in cervical biopsies of summer camp ROTC cadets with abnormal papanicolaou smears.

J Pediatr Adolesc Gynecol. 1996 Aug;9(3):119-24.

PMID: 8795786 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 20050042600 A1

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File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050042600

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050042600 A1

TITLE: Immunological methodology for discerning human papillomavirus contemplating peptides from the E7 early coding region of HPV 16

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hu, Yao Xiong	Mountain View	CA	US	

US-CL-CURRENT: 435/5; 435/7.1, 435/7.92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20050042599 A1

L2: Entry 2 of 4

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050042599

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050042599 A1

TITLE: Immunological methodology for discerning human papillomavirus contemplating peptides from the E7 early coding region of HPV 16

PUBLICATION-DATE: February 24, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hu, Yao Xiong	Mountain View	CA	US	

US-CL-CURRENT: 435/5; 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040110925 A1

L2: Entry 3 of 4

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110925

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110925 A1

TITLE: Peptides from the E2, E6, and E7 proteins of human papilloma viruses 16 and 18 for detecting and/or diagnosing cervical and other human papillomavirus associated cancers

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Hu, Yao Xiong</u>	Mountain View	CA	US	
Rosenfeld, Mark Jay	Draper	UT	US	

US-CL-CURRENT: 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 4. Document ID: US 20030027750 A1

L2: Entry 4 of 4

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027750

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027750 A1

TITLE: Immunological methodology for discerning human papillomavirus

PUBLICATION-DATE: February 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Hu, Yao Xiong</u>	Murray	UT	US	

US-CL-CURRENT: 514/12; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 21. Document ID: US 6133243 A

L6: Entry 21 of 33

File: USPT

Oct 17, 2000

US-PAT-NO: 6133243

DOCUMENT-IDENTIFIER: US 6133243 A

TITLE: Liposomal-viral DNA complexes for treating disease

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kirn; David	Mill Valley	CA		

US-CL-CURRENT: 514/44; 435/325, 435/375

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. D.
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☐ 22. Document ID: US 6127393 A

L6: Entry 22 of 33

File: USPT

Oct 3, 2000

US-PAT-NO: 6127393

DOCUMENT-IDENTIFIER: US 6127393 A

TITLE: Antiproliferative, antiinfective, antiinflammatory, autologous immunization agent and method

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez-Pol; Jose A.	Chesterfield	MO		

US-CL-CURRENT: 514/354; 514/356, 546/314, 546/321, 546/326

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. D.
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☐ 23. Document ID: US 6025192 A

L16 ANSWER 1 OF 1 MEDLINE on STN
 AN 97334276 MEDLINE
 DN PubMed ID: 9190973
 TI The frequency of human papillomavirus detection in postmenopausal women on hormone replacement therapy.
 AU Smith E M; Johnson S R; Figuerres E J; Mendoza M; Feddersen D; Haugen T H; Turek L P
 CS Department of Preventive Medicine, Veterans Administration Medical Center and University of Iowa, College of Medicine, Iowa City 52242, USA.
 NC 1 P50 DE 10758-01 (NIDCR)
 5 P20 CA57171-03 (NCI)
 U01-HL40232 (NHLBI)
 SO Gynecologic oncology, (1997 Jun) 65 (3) 441-6.
 Journal code: 0365304. ISSN: 0090-8258.
 CY United States
 DT (CLINICAL TRIAL)
 Journal; Article; (JOURNAL ARTICLE)
 (RANDOMIZED CONTROLLED TRIAL)
 LA English
 FS Priority Journals
 EM 199707
 ED Entered STN: 19970724
 Last Updated on STN: 20000303
 Entered Medline: 19970714

=> d ab

L16 ANSWER 1 OF 1 MEDLINE on STN
 AB Postmenopausal women enrolled in the Iowa portion of the postmenopausal estrogen/progestin interventions randomized clinical trial (n = 105) during 1989-1991 were studied for (i) the prevalence of human papillomavirus (HPV) in this older age population (ages 45-64), and (ii) the association between hormone replacement therapies (HRTs) and changes in detection of HPV over a 2-year time period. HPV is causative in most cervical and some other genital cancers and in the presence of steroid hormones has been shown to increase neoplastic transformation by HPV in vitro. Using PCR to detect HPV DNA, the overall frequency of the virus regardless of time period was 50.3% (n = 53) with a baseline (BL) frequency of 38.1% and the second year follow-up (FU) of 22.9%. The oncogenic types **HPV-16** (75.5%) and HPV-31 (20.8%) were the most commonly reported. All those with persistently **detected infection** (10.5%), defined as HPV+ at both BL and FU, were identified with **HPV-16** or -18. Between these two time periods there were no significant differences in HPV frequency between the placebo and combined HRT groups (BL-/FU+, 21% vs 18%; BL+/FU-, 71% vs 80%). While the study is based on a small sample, the findings suggest that short-term use of HRTs is not associated with an increased risk of HPV detection, but assessment of effects from long-term use is needed. The data also indicate that the frequency of HPV found in older women is higher than previously suspected but that short-term changes in HPV detected in this age group are unrelated to the development of precancerous cervical lesions.

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FILE 'STNGUIDE' ENTERED AT 19:13:04 ON 06 APR 2005

FILE 'HOME' ENTERED AT 19:13:12 ON 06 APR 2005

FILE 'MEDLINE' ENTERED AT 19:13:21 ON 06 APR 2005

L1	2951 S HPV(W) 16
L2	3280 S "E7"
L3	833 S L2 AND L1
L4	383 S DETECT? INFECTION
L5	104 S DETECTING INFECTION
L6	0 S L3 AND L4
	E HU YAO XIONG/AU
	E HU /AU
	E HU YX/AU
	E HU Y/AU
	E HU Y X/AU
L7	21 S E3
L8	15683 S PAPILLOMAVIRUS
L9	1 S L7 AND L8
L10	180 S CARBOXYMETHYLCYSTEINE
L11	0 S L4 AND L10
L12	0 S L5 AND L10
L13	0 S L1 AND L10
L14	0 S L5 AND L3
L15	0 S L4 AND L3
L16	1 S L1 AND L4

L6: Entry 23 of 33

File: USPT

Feb 15, 2000

US-PAT-NO: 6025192

DOCUMENT-IDENTIFIER: US 6025192 A

TITLE: Modified retroviral vectors

DATE-ISSUED: February 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beach; David	Huntington Bay	NY		
Hannon; Gregory J.	Huntington	NY		

US-CL-CURRENT: 435/320.1; 435/6, 435/DIG.24, 536/23.1, 536/23.5, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 24. Document ID: US 6020309 A

L6: Entry 24 of 33

File: USPT

Feb 1, 2000

US-PAT-NO: 6020309

DOCUMENT-IDENTIFIER: US 6020309 A

TITLE: Pharmaceuticals based on papillomaviruses

DATE-ISSUED: February 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campo; Maria Saveria	Glasgow			GB
Jarrett; William Fleming Hoggan	Glasgow			GB

US-CL-CURRENT: 514/12; 424/186.1, 424/192.1, 514/13, 514/14, 514/15, 514/16,
514/17, 514/18, 514/19, 514/2, 514/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 25. Document ID: US 5958674 A

L6: Entry 25 of 33

File: USPT

Sep 28, 1999

US-PAT-NO: 5958674

DOCUMENT-IDENTIFIER: US 5958674 A

TITLE: Probes for papillomaviruses and an in vitro diagnostic procedure for papilloma infections

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beaudenon; Sylvie	Clamart			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Orth; Gerard	Sceaux			FR

US-CL-CURRENT: 435/5; 435/252.3, 435/252.33, 435/320.1, 435/363, 435/366, 435/810,
536/23.1, 536/24.3, 536/24.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNAC	Draw D
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☐ 26. Document ID: US 5876922 A

L6: Entry 26 of 33

File: USPT

Mar 2, 1999

US-PAT-NO: 5876922

DOCUMENT-IDENTIFIER: US 5876922 A

TITLE: Papillomavirus probe and a process for in vitro diagnosis of papillomavirus infections

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Orth; Gerard	Sceaux			FR
Beaudenon; Sylvie	Esbly			FR
Favre; Michel	Paris			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Pehau-Arnaudet; Gerard	Montreuil			FR

US-CL-CURRENT: 435/5; 435/252.9, 435/6, 435/948, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNAC	Draw D
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☐ 27. Document ID: US 5874089 A

L6: Entry 27 of 33

File: USPT

Feb 23, 1999

US-PAT-NO: 5874089

DOCUMENT-IDENTIFIER: US 5874089 A

**** See image for Certificate of Correction ****

TITLE: Protecting against canine oral papillomavirus (copy)

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schlegel; C. Richard	Rockville	MD		
Jenson; A. Bennett	Rockville	MD		
Ghim; Shin-je	Washington	DC		

US-CL-CURRENT: 424/204.1, 424/184.1, 424/186.1, 424/192.1, 424/199.1, 435/235.1,
435/320.1, 435/5, 435/69.1, 435/69.3, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWHC	Draw Da
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☐ 28. Document ID: US 5756282 A

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File: USPT

May 26, 1998

US-PAT-NO: 5756282

DOCUMENT-IDENTIFIER: US 5756282 A

TITLE: Oligonucleotides for the diagnosis of papillomavirus

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crooke; Stanley T.	Carlsbad	CA		
Mirabelli; Christopher K.	Encinitas	CA		
Ecker; David J.	Carlsbad	CA		
Cowsert; Lex M.	Carlsbad	CA		

US-CL-CURRENT: 435/5, 435/6, 435/91.2, 514/44, 536/24.3, 536/24.32, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWHC	Draw Da
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☐ 29. Document ID: US 5486453 A

L6: Entry 29 of 33

File: USPT

Jan 23, 1996

US-PAT-NO: 5486453

DOCUMENT-IDENTIFIER: US 5486453 A

TITLE: Antibodies to human papillomavirus latent proteins, diagnostic systems and methods

DATE-ISSUED: January 23, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dillner; Joakim	Stockholm			SE
Lerner; Richard A.	La Jolla	CA		
Smith; Richard	Del Mar	CA		

Parks; D. Elliot

Del Mar

CA

US-CL-CURRENT: [435/5](#); [435/7.92](#), [435/975](#), [436/518](#), [436/548](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 30. Document ID: US 5415995 A

L6: Entry 30 of 33

File: USPT

May 16, 1995

US-PAT-NO: 5415995

DOCUMENT-IDENTIFIER: US 5415995 A

TITLE: Diagnostic peptides of human papilloma virus

DATE-ISSUED: May 16, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoolnik; Gary K.	Palo Alto	CA		
Palefsky; Joel M.	Redwood City	CA		

US-CL-CURRENT: [435/7.1](#); [435/236](#), [435/7.36](#), [514/12](#), [530/324](#), [530/326](#), [530/327](#), [530/328](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 44. Document ID: US 5681944 A

L7: Entry 44 of 54

File: USPT

Oct 28, 1997

US-PAT-NO: 5681944

DOCUMENT-IDENTIFIER: US 5681944 A

**** See image for Certificate of Correction ****

TITLE: Antisense oligonucleotides directed to papillomavirus

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crooke; Stanley T.	Carlsbad	CA		
Mirabelli; Christopher K.	Encinitas	CA		
Ecker; David J.	Carlsbad	CA		
Cowser; Lex M.	Carlsbad	CA		

US-CL-CURRENT: 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw
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☐ 45. Document ID: US 5674703 A

L7: Entry 45 of 54

File: USPT

Oct 7, 1997

US-PAT-NO: 5674703

DOCUMENT-IDENTIFIER: US 5674703 A

**** See image for Certificate of Correction ****

TITLE: Episomal vector systems and related methods

DATE-ISSUED: October 7, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Woo; Savio L. C.	Houston	TX	77096	
Nordloh; Peter W.	Burlington	IA	52601	
Stenlund; Arne	Cold Spring Harbor	NY	11724	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/69.4, 435/69.5, 435/69.6, 435/70.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 46. Document ID: US 5665571 A

L7: Entry 46 of 54

File: USPT

Sep 9, 1997

US-PAT-NO: 5665571

DOCUMENT-IDENTIFIER: US 5665571 A

TITLE: Probes for papillomaviruses and an in vitro diagnostic procedure for
papilloma infections

DATE-ISSUED: September 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beaudenon; Sylvie	Clamart			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Orth; Gerard	Sceaux			FR

US-CL-CURRENT: 435/91.1; 435/235.1, 435/252.33

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 47. Document ID: US 5629161 A

L7: Entry 47 of 54

File: USPT

May 13, 1997

US-PAT-NO: 5629161

DOCUMENT-IDENTIFIER: US 5629161 A

TITLE: Use of HVP-16 E6 and E7-gene derived peptides to diagnose HPV-16-associated
invasive cervical cancer

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Muller; Martin	Heidelberg			DE
Gissmann; Lutz	Wiesloch			DE

US-CL-CURRENT: 435/7.1; 530/324, 530/325, 530/326, 530/327, 530/387.9, 530/388.3,
530/389.1, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. De
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☐ 48. Document ID: US 5618536 A

L7: Entry 48 of 54

File: USPT

Apr 8, 1997

US-PAT-NO: 5618536

DOCUMENT-IDENTIFIER: US 5618536 A

TITLE: Chimeric papillomavirus-like particles

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lowy; Douglas R.	Bethesda	MD		
Schiller; John T.	Silver Spring	MD		
Greenstone; Heather	Silver Spring	MD		

US-CL-CURRENT: 424/192.1; 424/204.1, 435/235.1, 435/236, 435/254.2, 435/317.1,
435/320.1, 435/325, 435/348, 435/69.1, 435/69.3, 530/412, 530/413, 536/23.4,
536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 49. Document ID: US 5576206 A

L7: Entry 49 of 54

File: USPT

Nov 19, 1996

US-PAT-NO: 5576206

DOCUMENT-IDENTIFIER: US 5576206 A

TITLE: Human papilloma virus genes and their use in gene therapy

DATE-ISSUED: November 19, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schlegel; Richard	Rockville	MD		

US-CL-CURRENT: 435/371; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 50. Document ID: US 5415995 A

L7: Entry 50 of 54

File: USPT

May 16, 1995

US-PAT-NO: 5415995

DOCUMENT-IDENTIFIER: US 5415995 A

TITLE: Diagnostic peptides of human papilloma virus

DATE-ISSUED: May 16, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoolnik; Gary K.	Palo Alto	CA		
Palefsky; Joel M.	Redwood City	CA		

US-CL-CURRENT: 435/7.1; 435/236, 435/7.36, 514/12, 530/324, 530/326, 530/327,
530/328

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 51. Document ID: US 5411857 A

L7: Entry 51 of 54

File: USPT

May 2, 1995

US-PAT-NO: 5411857

DOCUMENT-IDENTIFIER: US 5411857 A

TITLE: Probes for papillomaviruses and an in vitro diagnostic procedure for
papilloma infections

DATE-ISSUED: May 2, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beaudenon; Sylvie	Clamart			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Orth; Gerard	Sceaux			FR

US-CL-CURRENT: 435/5; 435/6, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D.
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☐ 52. Document ID: US 5376542 A

L7: Entry 52 of 54

File: USPT

Dec 27, 1994

US-PAT-NO: 5376542

DOCUMENT-IDENTIFIER: US 5376542 A

TITLE: Method for producing immortalized cell lines using human papilloma virus
genes

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schlegal; Richard	Rockville	MD		

WEST Search History

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DATE: Wednesday, April 06, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L8	HPV-16 and E7 and infection	5
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L7	HPV-16 and E7.clm.	54
<input type="checkbox"/>	L6	HPV-16 and E7 and infection.clm.	33
		<i>DB=PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	HPV-16 and E7 and infection.clm.	34
<input type="checkbox"/>	L4	HPV-16 and E7.clm.	39
<input type="checkbox"/>	L3	HPV-16 and E7	135
<input type="checkbox"/>	L2	Hu Yao Xiong.in.	4
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	6743593.pn.	1

END OF SEARCH HISTORY

US-CL-CURRENT: 435/6; 435/467

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 53. Document ID: US 5045447 A

L7: Entry 53 of 54

File: USPT

Sep 3, 1991

US-PAT-NO: 5045447

DOCUMENT-IDENTIFIER: US 5045447 A

TITLE: Method of producing antibodies to HPV

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minson; Anthony C.	Great Shelford, Cambridge			GB2

US-CL-CURRENT: 435/5; 422/61, 435/7.92, 436/548

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Terms

Documents

HPV-16 and E7.clm.

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Search Results - Record(s) 24 through 33 of 54 returned.

☐ 24. Document ID: US 6235523 B1

L7: Entry 24 of 54

File: USPT

May 22, 2001

US-PAT-NO: 6235523

DOCUMENT-IDENTIFIER: US 6235523 B1

TITLE: Vectors for DNA immunization against cervical cancer

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gajewczyk; Diane M.	Toronto			CA
Persson; Roy	North York			CA
Yao; Fei-Long	North York			CA
Cao; Shi-Xian	Etobicoke			CA
Klein; Michel H.	Willowdale			CA
Tartaglia; James	Schenectady	NY		
Moingeon; Phillipe	F-Pommiers			FR
Rovinski; Benjamin	Thornhill			CA

US-CL-CURRENT: 435/320.1; 424/186.1, 424/192.1, 424/204.1, 514/44, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	COMM	Draw 5e
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☐ 25. Document ID: US 6200746 B1

L7: Entry 25 of 54

File: USPT

Mar 13, 2001

US-PAT-NO: 6200746

DOCUMENT-IDENTIFIER: US 6200746 B1

TITLE: Methods of identifying anti-viral agents

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fisher; Christopher	Kalamazoo	MI		
He; Wanxia	Kalamazoo	MI		

US-CL-CURRENT: 435/5; 424/184.1, 424/204.1, 424/277.1, 435/183, 435/41, 435/7.1,
530/395

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 26. Document ID: US 6183745 B1

L7: Entry 26 of 54

File: USPT

Feb 6, 2001

US-PAT-NO: 6183745

DOCUMENT-IDENTIFIER: US 6183745 B1

TITLE: Subunit papilloma virus vaccine and peptides for use therein

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tindle; Robert	Kenmore			AU
Fernando; Germain	Jamboree Heights			AU
Frazer; Ian	St. Lucia			AU

US-CL-CURRENT: 424/185.1; 530/350, 530/395, 530/403

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 27. Document ID: US 6123948 A

L7: Entry 27 of 54

File: USPT

Sep 26, 2000

US-PAT-NO: 6123948

DOCUMENT-IDENTIFIER: US 6123948 A

**** See image for Certificate of Correction ****

TITLE: Polypeptides useful as immunotherapeutic agents and methods of polypeptide preparation

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Whittle; Nigel Richard	Cambridge			GB
Carmichael; Jeremy Paddon	Belfast			GB
Connor; Stephen Edward	Cambridge			GB
Thompson; Henry Stephen Grammer	Cambridge			GB
Wilson; Mark Jonathan	Cambridge			GB

US-CL-CURRENT: 424/204.1; 435/235.1, 435/320.1, 435/69.1, 530/350, 536/23.4,
536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 28. Document ID: US 6084090 A

L7: Entry 28 of 54

File: USPT

Jul 4, 2000

US-PAT-NO: 6084090

DOCUMENT-IDENTIFIER: US 6084090 A

TITLE: Human papilloma virus anti-sense oligonucleotides

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DiPaolo; Joseph	Bethesda	MD		
Alvarez-Salas; Luis	Bethesda	MD		

US-CL-CURRENT: 536/24.5; 435/6, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 29. Document ID: US 6045831 A

L7: Entry 29 of 54

File: USPT

Apr 4, 2000

US-PAT-NO: 6045831

DOCUMENT-IDENTIFIER: US 6045831 A

**** See image for Certificate of Correction ****

TITLE: Nuclear inhibitor I-92 and its use for the production of a medicament

DATE-ISSUED: April 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weitz; Jurgen	Durham	NC		
Royer; Hans-Dieter	Berlin-Buch			DE
Stohr; Michael	Neckargerach			DE
Kopun; Marijana	Heidelberg			DE
Napierski; Inge	Heidelberg			DE

US-CL-CURRENT: 424/520; 435/325, 435/366, 435/367, 436/501, 530/300, 530/350,
530/358, 530/412

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 30. Document ID: US 6007806 A

L7: Entry 30 of 54

File: USPT

Dec 28, 1999

US-PAT-NO: 6007806

DOCUMENT-IDENTIFIER: US 6007806 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use thereof in preventive or curative treatment of the corresponding tumor

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lathe; Richard	Strasbourg			FR
Kieny; Marie-Paule	Strasbourg			FR
Meneguzzi; Guerrino	Nice			FR

US-CL-CURRENT: 424/93.2; 424/93.6, 435/235.1, 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KNOC	Draw D
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☐ 31. Document ID: US 6004557 A

L7: Entry 31 of 54

File: USPT

Dec 21, 1999

US-PAT-NO: 6004557

DOCUMENT-IDENTIFIER: US 6004557 A

TITLE: Variants of human papillomavirus antigens

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Stirling John	Caburg			AU
Cox; John Cooper	Bullengarook			AU
Webb; Elizabeth Ann	Eltham			AU
Frazer; Ian	St. Lucia.			AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/199.1, 424/204.1, 435/235.1, 435/320.1,
435/69.1, 435/69.7, 536/23.1, 536/23.72, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KNOC	Draw D
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☐ 32. Document ID: US 5958674 A

L7: Entry 32 of 54

File: USPT

Sep 28, 1999

US-PAT-NO: 5958674

DOCUMENT-IDENTIFIER: US 5958674 A

TITLE: Probes for papillomaviruses and an in vitro diagnostic procedure for papilloma infections

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beaudenon; Sylvie	Clamart			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Orth; Gerard	Sceaux			FR

US-CL-CURRENT: 435/5; 435/252.3, 435/252.33, 435/320.1, 435/363, 435/366, 435/810, 536/23.1, 536/24.3, 536/24.32

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Da
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☐ 33. Document ID: US 5955087 A

L7: Entry 33 of 54

File: USPT

Sep 21, 1999

US-PAT-NO: 5955087

DOCUMENT-IDENTIFIER: US 5955087 A

TITLE: Polypeptides useful as immunotherapeutic agents and methods of polypeptide preparation

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Whittle; Nigel Richard	Cambridge			GB
Carmichael; Jeremy Paddon	Belfast			GB
Connor; Stephen Edward	Cambridge			GB
Thompson; Henry Stephen Grammer	Cambridge			GB
Wilson; Mark Jonathan	Cambridge			GB

US-CL-CURRENT: 424/204.1; 435/235.1, 435/320.1, 435/69.1, 530/350, 536/23.4, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Da
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HPV-16 and E7.clm.

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1. Document ID: MX 2002012858 A1, WO 200200242 A2, AU 200171449 A, US 20020110566 A1, NO 200206044 A, EP 1296711 A2, BR 200111956 A, KR 2003025939 A, CZ 200204154 A3, HU 200301308 A2, US 20030170268 A1, SK 200201836 A3, JP 2004512264 W, ZA 200210211 A, US 6797491 B2, US 20040235741 A1

L8: Entry 1 of 5

File: DWPI

May 1, 2004

DERWENT-ACC-NO: 2002-130834

DERWENT-WEEK: 200482

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TITLE: Treating human papilloma virus infection, in a subject, involves administering a fusion protein comprising a protein of HPV which is different from the type of HPV that causes the disease or condition

INVENTOR: GOLDSTONE, S; NEEFE, J ; SIEGEL, M ; WINNETT, M ; BOUX, L ; GOLDSTONE, S E ; NEEFE, J R ; WINNETT, M T ; BOUX, L J

PRIORITY-DATA: 2000US-214202P (June 26, 2000), 2001US-0891823 (June 26, 2001), 2003US-0365908 (February 13, 2003), 2004US-0871138 (June 18, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>MX 2002012858 A1</u>	May 1, 2004		000	A61K038/00
<u>WO 200200242 A2</u>	January 3, 2002	E	034	A61K038/00
<u>AU 200171449 A</u>	January 8, 2002		000	A61K038/00
<u>US 20020110566 A1</u>	August 15, 2002		000	A61K039/12
<u>NO 200206044 A</u>	February 20, 2003		000	A61K000/00
<u>EP 1296711 A2</u>	April 2, 2003	E	000	A61K039/12
<u>BR 200111956 A</u>	May 13, 2003		000	A61K038/00
<u>KR 2003025939 A</u>	March 29, 2003		000	A61K039/12
<u>CZ 200204154 A3</u>	August 13, 2003		000	A61K039/12
<u>HU 200301308 A2</u>	August 28, 2003		000	A61K038/00
<u>US 20030170268 A1</u>	September 11, 2003		000	C07H021/04
<u>SK 200201836 A3</u>	February 3, 2004		000	A61K038/00
<u>JP 2004512264 W</u>	April 22, 2004		065	A61K039/12
<u>ZA 200210211 A</u>	May 26, 2004		050	A61K000/00
<u>US 6797491 B2</u>	September 28, 2004		000	C12P021/06
<u>US 20040235741 A1</u>	November 25, 2004		000	A61K038/17

A , US 6797491 B2 , US 20040235741 A1 INT-CL (IPC): A61 K 0/00; A61 K 35/76; A61 K 38/00; A61 K 38/17; A61 K 39/12; A61 K 39/295; A61 K 39/385; A61 K 39/39; A61 K 45/00; A61 K 47/00; A61 K 48/00; A61 P 17/12; A61 P 31/12; A61 P 31/20; A61 P 35/00; C07 H 21/04; C07 K 19/00; C12 N 15/62; C12 P 21/06

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. D
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☐ 2. Document ID: DE 69533694 E, WO 9531552 A2, AU 9525887 A, WO 9531552 A3, EP 759992 A1, US 5683902 A, JP 10500307 W, MX 9605514 A1, AU 712160 B, MX 195959 B, EP 1327683 A2, EP 759992 B1

L8: Entry 2 of 5

File: DWPI

Dec 2, 2004

DERWENT-ACC-NO: 1996-010937

DERWENT-WEEK: 200479

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TITLE: Synthetic ribozyme(s) for human papilloma virus (HPV) - useful in treatment of cervical cancer and in detection of HPV

INVENTOR: DIPAOLO, J; HAMPEL, A ; SIWKOWSKI, A ; GALASINSKI, S C ; SIWKOWSKI, A M

PRIORITY-DATA: 1994US-0242665 (May 13, 1994), 1995US-0410005 (March 21, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 69533694 E</u>	December 2, 2004		000	C12N015/52
<u>WO 9531552 A2</u>	November 23, 1995	E	060	C12N015/52
<u>AU 9525887 A</u>	December 5, 1995		000	C12N015/52
<u>WO 9531552 A3</u>	January 11, 1996		000	C12N015/52
<u>EP 759992 A1</u>	March 5, 1997	E	000	C12N015/52
<u>US 5683902 A</u>	November 4, 1997		020	C12P019/34
<u>JP 10500307 W</u>	January 13, 1998		078	C12N015/09
<u>MX 9605514 A1</u>	February 1, 1998		000	C12N015/52
<u>AU 712160 B</u>	October 28, 1999		000	C12N015/52
<u>MX 195959 B</u>	April 11, 2000		000	C12N015/052
<u>EP 1327683 A2</u>	July 16, 2003	E	000	C12N015/11
<u>EP 759992 B1</u>	October 27, 2004	E	000	C12N015/52

INT-CL (IPC): A61 K 31/070; A61 K 31/70; A61 K 31/713; A61 P 35/00; C07 H 21/02; C12 N 5/00; C12 N 5/10; C12 N 9/00; C12 N 15/00; C12 N 15/052; C12 N 15/09; C12 N 15/11; C12 N 15/52; C12 P 19/34; C12 Q 1/068; C12 Q 1/68; C12 N 5/10; C12 R 1/91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. D
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☐ 3. Document ID: WO 9010867 A, AU 9052860 A, CA 2012088 A, CN 1045603 A, EP 463046 A, JP 04505964 W, US 5045447 A

L8: Entry 3 of 5

File: DWPI

Sep 20, 1990

DERWENT-ACC-NO: 1990-305139

DERWENT-WEEK: 199040

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TITLE: Screening antibodies for specificity to antigen - using cells infected with recombinant viral vector and processed in same way as clinical samples

INVENTOR: MINSON, A C

PRIORITY-DATA: 1989US-0323682 (March 15, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9010867 A</u>	September 20, 1990		000	
<u>AU 9052860 A</u>	October 9, 1990		000	
<u>CA 2012088 A</u>	September 15, 1990		000	
<u>CN 1045603 A</u>	September 26, 1990		000	
<u>EP 463046 A</u>	January 2, 1992		000	
<u>JP 04505964 W</u>	October 15, 1992		010	G01N033/531
<u>US 5045447 A</u>	September 3, 1991		000	

INT-CL (IPC): C12N 15/00; C12P 21/08; C12Q 1/68; G01N 1/00; G01N 33/50; G01N 33/53; G01N 33/531; G01N 33/569; G01N 33/577

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBIC	Draw D
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4. Document ID: WO 9010459 A, CA 2050304 C, FR 2643817 A, EP 462187 A, JP 05503282 W, EP 462187 B1, DE 69002325 E, ES 2058898 T3, US 5744133 A, JP 2926270 B2, US 6007806 A

L8: Entry 4 of 5

File: DWPI

Sep 20, 1990

DERWENT-ACC-NO: 1990-304863

DERWENT-WEEK: 200216

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TITLE: Vaccine and treatment of tumours induced by padillomavirus - contg. recombinant poxvirus with heterologous DNA encoding region of non-structural papillomavirus

INVENTOR: KIENY, M; LATHE, R ; MENEGUZZI, G

PRIORITY-DATA: 1989FR-0002897 (March 6, 1989), 1986FR-0011700 (August 13, 1986), 1990WO-FR00151 (March 6, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9010459 A</u>	September 20, 1990		028	
<u>CA 2050304 C</u>	January 22, 2002	F	000	A61K039/285
<u>FR 2643817 A</u>	September 7, 1990		000	
<u>EP 462187 A</u>	December 27, 1991		000	
<u>JP 05503282 W</u>	June 3, 1993		028	A61K039/275
<u>EP 462187 B1</u>	July 21, 1993	F	025	A61K039/12
<u>DE 69002325 E</u>	August 26, 1993		000	A61K039/12
<u>ES 2058898 T3</u>	November 1, 1994		000	A61K039/12
<u>US 5744133 A</u>	April 28, 1998		021	A01N063/00
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<u>US 6007806 A</u>	December 28, 1999		000	A01N063/00

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<input type="checkbox"/>	L6	5629161.pn. and fusion	1
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INT-CL (IPC): A01N 63/00; A61K 39/12; A61K 39/275; A61K 39/285; C12N 7/01; C12N 7/04; C12N 15/37; C12N 15/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Da
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5. Document ID: EP 257754 A, AU 8775535 A, BR 8703552 A, CA 1326459 C, JP 63183600 A, US 4777239 A, US 5415995 A

L8: Entry 5 of 5

File: DWPI

Mar 2, 1988

DERWENT-ACC-NO: 1988-057971

DERWENT-WEEK: 198809

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TITLE: Synthetic peptide(s) of human papilloma virus - corresp. to amino acid sequence region having at least one reverse turn and predicted hydrophilicity

INVENTOR: PALEFSKY, J; SCHOOLNIK, G K ; PALEFSKY, J M ; SCHOOINIK, G K

PRIORITY-DATA: 1986US-0884184 (July 10, 1986), 1988US-0221276 (July 19, 1988), 1992US-0909122 (July 6, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 257754 A</u>	March 2, 1988	E	027	
<u>AU 8775535 A</u>	January 14, 1988		000	
<u>BR 8703552 A</u>	March 22, 1988		000	
<u>CA 1326459 C</u>	January 25, 1994		000	C12N015/37
<u>JP 63183600 A</u>	July 28, 1988		000	
<u>US 4777239 A</u>	October 11, 1988		023	
<u>US 5415995 A</u>	May 16, 1995		018	G01N033/53

INT-CL (IPC): A61K 37/02; A61K 39/12; A61K 39/42; A61K 49/00; C07K 1/00; C07K 7/06; C07K 7/08; C07K 15/12; C07K 15/14; C07K 17/00; C12N 15/00; C12N 15/37; C12P 21/00; G01N 33/53; G01N 33/569

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Da
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